



For KCC Use:
 Effective Date: _____
 District # _____
 SGA? Yes No

KANSAS CORPORATION COMMISSION 1153608
 OIL & GAS CONSERVATION DIVISION

Form C-1
 March 2010

Form must be Typed
 Form must be Signed
 All blanks must be Filled

NOTICE OF INTENT TO DRILL

Must be approved by KCC five (5) days prior to commencing well

Form KSONA-1, Certification of Compliance with the Kansas Surface Owner Notification Act, MUST be submitted with this form.

Expected Spud Date: _____
 month day year

OPERATOR: License# _____
 Name: _____
 Address 1: _____
 Address 2: _____
 City: _____ State: _____ Zip: _____ + _____
 Contact Person: _____
 Phone: _____

CONTRACTOR: License# _____
 Name: _____

Well Drilled For:	Well Class:	Type Equipment:
<input type="checkbox"/> Oil	<input type="checkbox"/> Enh Rec	<input type="checkbox"/> Infield
<input type="checkbox"/> Gas	<input type="checkbox"/> Storage	<input type="checkbox"/> Pool Ext.
	<input type="checkbox"/> Disposal	<input type="checkbox"/> Wildcat
<input type="checkbox"/> Seismic ; _____ # of Holes	<input type="checkbox"/> Other	<input type="checkbox"/> Mud Rotary
<input type="checkbox"/> Other: _____		<input type="checkbox"/> Air Rotary
		<input type="checkbox"/> Cable
<input type="checkbox"/> If OWWO: old well information as follows:		

Operator: _____
 Well Name: _____
 Original Completion Date: _____ Original Total Depth: _____

Directional, Deviated or Horizontal wellbore? Yes No
 If Yes, true vertical depth: _____
 Bottom Hole Location: _____
 KCC DKT #: _____

Spot Description: _____
 _____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ E W
 (Q/Q/Q/Q) _____ feet from N / S Line of Section
 _____ feet from E / W Line of Section

Is SECTION: Regular Irregular?
 (Note: Locate well on the Section Plat on reverse side)

County: _____
 Lease Name: _____ Well #: _____

Field Name: _____
 Is this a Prorated / Spaced Field? Yes No

Target Formation(s): _____
 Nearest Lease or unit boundary line (in footage): _____

Ground Surface Elevation: _____ feet MSL
 Water well within one-quarter mile: Yes No

Public water supply well within one mile: Yes No
 Depth to bottom of fresh water: _____

Depth to bottom of usable water: _____
 Surface Pipe by Alternate: I II

Length of Surface Pipe Planned to be set: _____
 Length of Conductor Pipe (if any): _____

Projected Total Depth: _____
 Formation at Total Depth: _____

Water Source for Drilling Operations:
 Well Farm Pond Other: _____

DWR Permit #: _____
 (Note: Apply for Permit with DWR)

Will Cores be taken? Yes No
 If Yes, proposed zone: _____

AFFIDAVIT

The undersigned hereby affirms that the drilling, completion and eventual plugging of this well will comply with K.S.A. 55 et. seq.

It is agreed that the following minimum requirements will be met:

1. Notify the appropriate district office **prior** to spudding of well;
2. A copy of the approved notice of intent to drill **shall be** posted on each drilling rig;
3. The minimum amount of surface pipe as specified below **shall be set** by circulating cement to the top; in all cases surface pipe **shall be set** through all unconsolidated materials plus a minimum of 20 feet into the underlying formation.
4. If the well is dry hole, an agreement between the operator and the district office on plug length and placement is necessary **prior to plugging**;
5. The appropriate district office will be notified before well is either plugged or production casing is cemented in;
6. If an ALTERNATE II COMPLETION, production pipe shall be cemented from below any usable water to surface within **120 DAYS** of spud date. Or pursuant to Appendix "B" - Eastern Kansas surface casing order #133,891-C, which applies to the KCC District 3 area, alternate II cementing must be completed within 30 days of the spud date or the well shall be plugged. **In all cases, NOTIFY district office** prior to any cementing.

Submitted Electronically

<p>For KCC Use ONLY</p> <p>API # 15 - _____</p> <p>Conductor pipe required _____ feet</p> <p>Minimum surface pipe required _____ feet per ALT. <input type="checkbox"/> I <input type="checkbox"/> II</p> <p>Approved by: _____</p> <p>This authorization expires: _____ (This authorization void if drilling not started within 12 months of approval date.)</p> <p>Spud date: _____ Agent: _____</p>

Remember to:

- File Certification of Compliance with the Kansas Surface Owner Notification Act (KSONA-1) with Intent to Drill;
- File Drill Pit Application (form CDP-1) with Intent to Drill;
- File Completion Form ACO-1 within 120 days of spud date;
- File acreage attribution plat according to field proration orders;
- Notify appropriate district office 48 hours prior to workover or re-entry;
- Submit plugging report (CP-4) after plugging is completed (within 60 days);
- Obtain written approval before disposing or injecting salt water.
- If well will not be drilled or permit has expired (See: authorized expiration date) please check the box below and return to the address below.

Well will not be drilled or Permit Expired Date: _____
 Signature of Operator or Agent: _____

E
 W

For KCC Use ONLY

API # 15 - _____

IN ALL CASES PLOT THE INTENDED WELL ON THE PLAT BELOW

In all cases, please fully complete this side of the form. Include items 1 through 5 at the bottom of this page.

Operator: _____

Lease: _____

Well Number: _____

Field: _____

Number of Acres attributable to well: _____

QTR/QTR/QTR of acreage: _____ - _____ - _____ - _____

Location of Well: County: _____

_____ feet from N / S Line of Section

_____ feet from E / W Line of Section

Sec. _____ Twp. _____ S. R. _____ E W

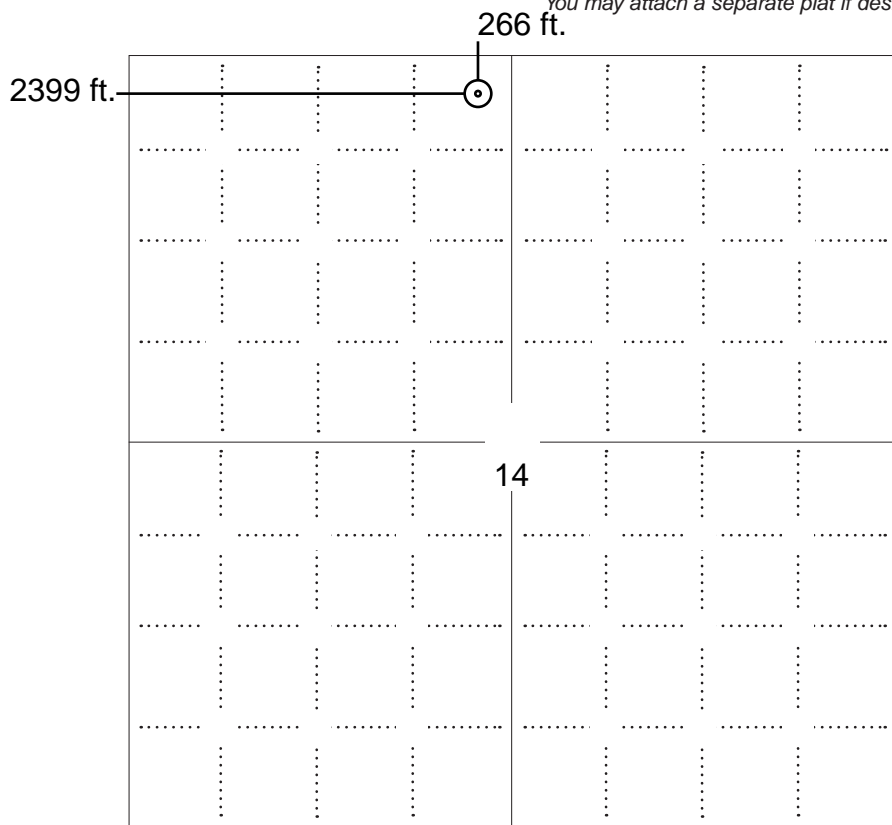
Is Section: Regular or Irregular

If Section is Irregular, locate well from nearest corner boundary.

Section corner used: NE NW SE SW

PLAT

Show location of the well. Show footage to the nearest lease or unit boundary line. Show the predicted locations of lease roads, tank batteries, pipelines and electrical lines, as required by the Kansas Surface Owner Notice Act (House Bill 2032). You may attach a separate plat if desired.



LEGEND

- Well Location
- Tank Battery Location
- Pipeline Location
- Electric Line Location
- Lease Road Location



NOTE: In all cases locate the spot of the proposed drilling locaton.

In plotting the proposed location of the well, you must show:

1. The manner in which you are using the depicted plat by identifying section lines, i.e. 1 section, 1 section with 8 surrounding sections, 4 sections, etc.
2. The distance of the proposed drilling location from the south / north and east / west outside section lines.
3. The distance to the nearest lease or unit boundary line (in footage).
4. If proposed location is located within a prorated or spaced field a certificate of acreage attribution plat must be attached: (C0-7 for oil wells; CG-8 for gas wells).
5. The predicted locations of lease roads, tank batteries, pipelines, and electrical lines.

APPLICATION FOR SURFACE PIT

Submit in Duplicate

Operator Name: _____		License Number: _____	
Operator Address: _____			
Contact Person: _____		Phone Number: _____	
Lease Name & Well No.: _____		Pit Location (QQQQ): _____-_____-_____-_____	
Type of Pit: <input type="checkbox"/> Emergency Pit <input type="checkbox"/> Burn Pit <input type="checkbox"/> Settling Pit <input type="checkbox"/> Drilling Pit <input type="checkbox"/> Workover Pit <input type="checkbox"/> Haul-Off Pit <i>(If WP Supply API No. or Year Drilled)</i>		Pit is: <input type="checkbox"/> Proposed <input type="checkbox"/> Existing If Existing, date constructed: _____ Pit capacity: _____ (bbls)	
Is the pit located in a Sensitive Ground Water Area? <input type="checkbox"/> Yes <input type="checkbox"/> No		Chloride concentration: _____ mg/l <i>(For Emergency Pits and Settling Pits only)</i>	
Is the bottom below ground level? <input type="checkbox"/> Yes <input type="checkbox"/> No		Artificial Liner? <input type="checkbox"/> Yes <input type="checkbox"/> No	
How is the pit lined if a plastic liner is not used?		_____	
Pit dimensions (all but working pits): _____ Length (feet) _____ Width (feet) <input type="checkbox"/> N/A: Steel Pits Depth from ground level to deepest point: _____ (feet) <input type="checkbox"/> No Pit			
If the pit is lined give a brief description of the liner material, thickness and installation procedure.		Describe procedures for periodic maintenance and determining liner integrity, including any special monitoring.	
Distance to nearest water well within one-mile of pit: _____ feet Depth of water well _____ feet		Depth to shallowest fresh water _____ feet. Source of information: <input type="checkbox"/> measured <input type="checkbox"/> well owner <input type="checkbox"/> electric log <input type="checkbox"/> KDWR	
Emergency, Settling and Burn Pits ONLY: Producing Formation: _____ Number of producing wells on lease: _____ Barrels of fluid produced daily: _____ Does the slope from the tank battery allow all spilled fluids to flow into the pit? <input type="checkbox"/> Yes <input type="checkbox"/> No		Drilling, Workover and Haul-Off Pits ONLY: Type of material utilized in drilling/workover: _____ Number of working pits to be utilized: _____ Abandonment procedure: _____ _____ Drill pits must be closed within 365 days of spud date.	
Submitted Electronically			

KCC OFFICE USE ONLY

Liner Steel Pit RFAC RFAS

Date Received: _____ Permit Number: _____ Permit Date: _____ Lease Inspection: Yes No



CERTIFICATION OF COMPLIANCE WITH THE KANSAS SURFACE OWNER NOTIFICATION ACT

This form must be submitted with all Forms C-1 (Notice of Intent to Drill); CB-1 (Cathodic Protection Borehole Intent); T-1 (Request for Change of Operator Transfer of Injection or Surface Pit Permit); and CP-1 (Well Plugging Application). Any such form submitted without an accompanying Form KSONA-1 will be returned.

Select the corresponding form being filed: C-1 (Intent) CB-1 (Cathodic Protection Borehole Intent) T-1 (Transfer) CP-1 (Plugging Application)

OPERATOR: License # _____
Name: _____
Address 1: _____
Address 2: _____
City: _____ State: _____ Zip: _____ + _____
Contact Person: _____
Phone: (_____) _____ Fax: (_____) _____
Email Address: _____

Well Location:
____ - ____ - ____ - ____ Sec. ____ Twp. ____ S. R. ____ East West
County: _____
Lease Name: _____ Well #: _____

If filing a Form T-1 for multiple wells on a lease, enter the legal description of the lease below:

Surface Owner Information:

Name: _____
Address 1: _____
Address 2: _____
City: _____ State: _____ Zip: _____ + _____

When filing a Form T-1 involving multiple surface owners, attach an additional sheet listing all of the information to the left for each surface owner. Surface owner information can be found in the records of the register of deeds for the county, and in the real estate property tax records of the county treasurer.

If this form is being submitted with a Form C-1 (Intent) or CB-1 (Cathodic Protection Borehole Intent), you must supply the surface owners and the KCC with a plat showing the predicted locations of lease roads, tank batteries, pipelines, and electrical lines. The locations shown on the plat are preliminary non-binding estimates. The locations may be entered on the Form C-1 plat, Form CB-1 plat, or a separate plat may be submitted.

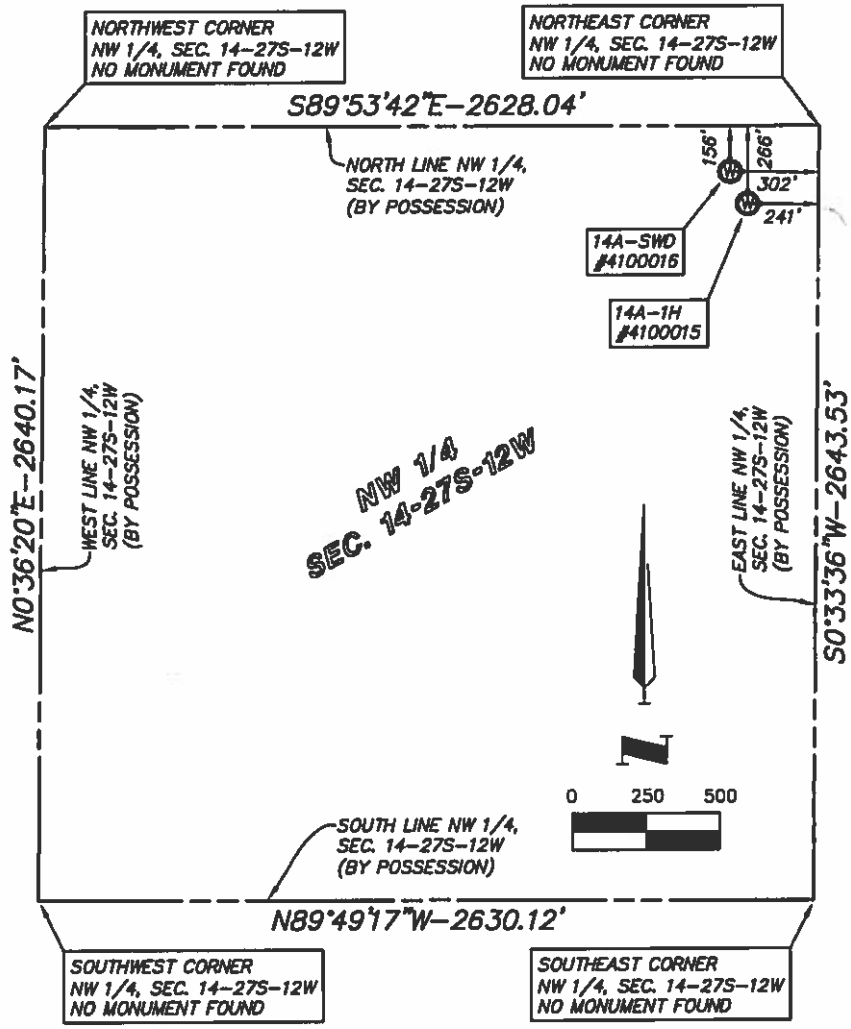
Select one of the following:

- I certify that, pursuant to the Kansas Surface Owner Notice Act (House Bill 2032), I have provided the following to the surface owner(s) of the land upon which the subject well is or will be located: 1) a copy of the Form C-1, Form CB-1, Form T-1, or Form CP-1 that I am filing in connection with this form; 2) if the form being filed is a Form C-1 or Form CB-1, the plat(s) required by this form; and 3) my operator name, address, phone number, fax, and email address.
- I have not provided this information to the surface owner(s). I acknowledge that, because I have not provided this information, the KCC will be required to send this information to the surface owner(s). To mitigate the additional cost of the KCC performing this task, I acknowledge that I am being charged a \$30.00 handling fee, payable to the KCC, which is enclosed with this form.

If choosing the second option, submit payment of the \$30.00 handling fee with this form. If the fee is not received with this form, the KSONA-1 form and the associated Form C-1, Form CB-1, Form T-1, or Form CP-1 will be returned.

Submitted Electronically

**AS-STAKED WELL EXHIBIT
GREENGROUP
SEC 14, T 27 S, R 12 W
PRATT COUNTY, KANSAS**



Description	Ground Elevation	NAD 83 Latitude	NAD 83 Longitude	NAD 27 Latitude	NAD 27 Longitude
14A-1H	1864	N37.702961°	W98.601198°	N37.702944°	W98.600835°
14A-SWD	1859	N37.703263°	W98.601406°	N37.703246°	W98.601043°

GENERAL NOTES:

The bearings shown hereon are based on the State Plane Coordinate System, Kansas South Zone, NAD83

PREPARED FOR:
KLEINFELDER CENTRAL, INC.

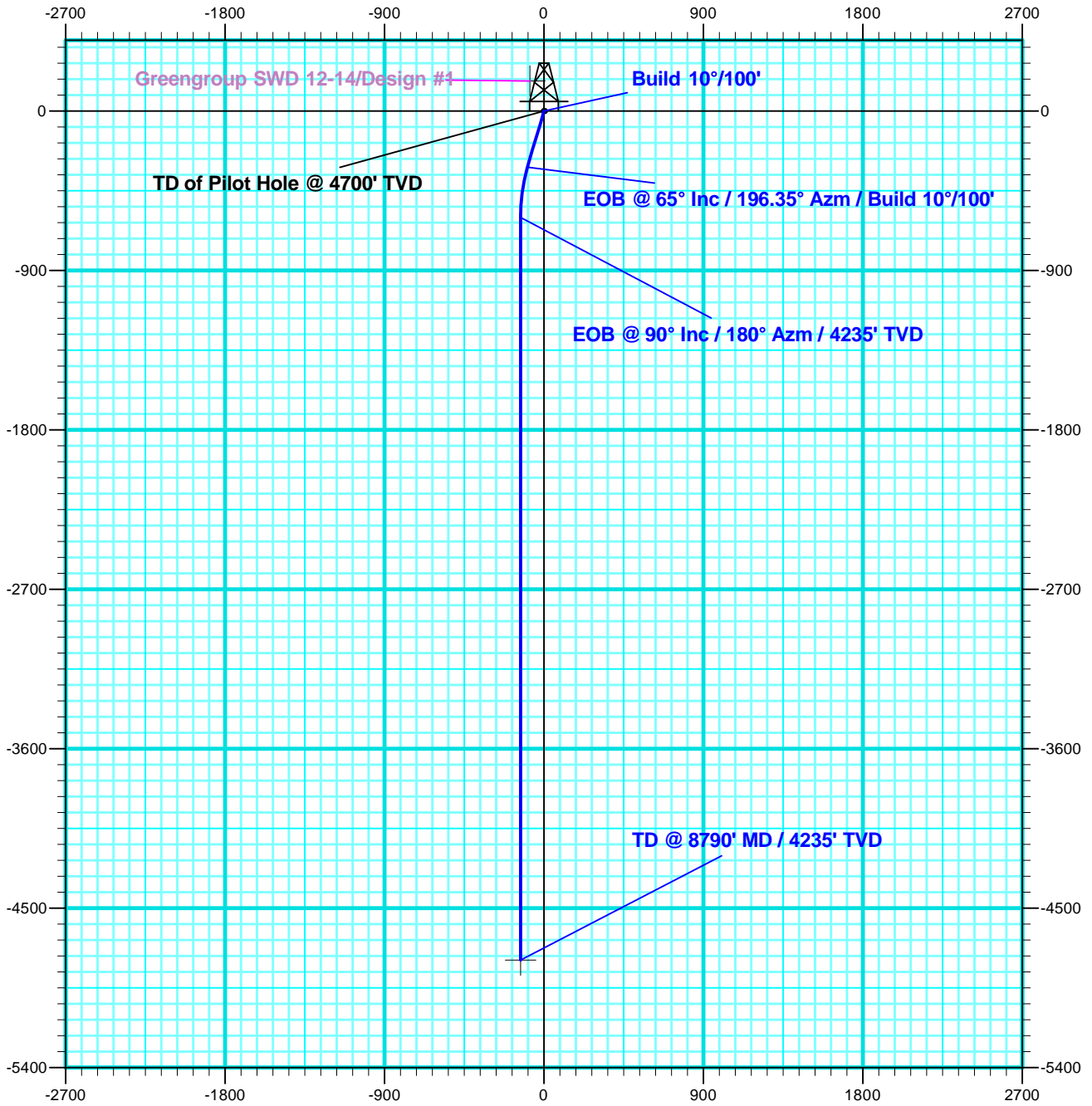


SHAFER, KLINE & WARREN, INC.
11250 CORPORATE AVENUE, LENEXA, KANSAS 66219
PHONE: 913-888-7800 FAX: 913-888-7868
<http://www.skw-inc.com>



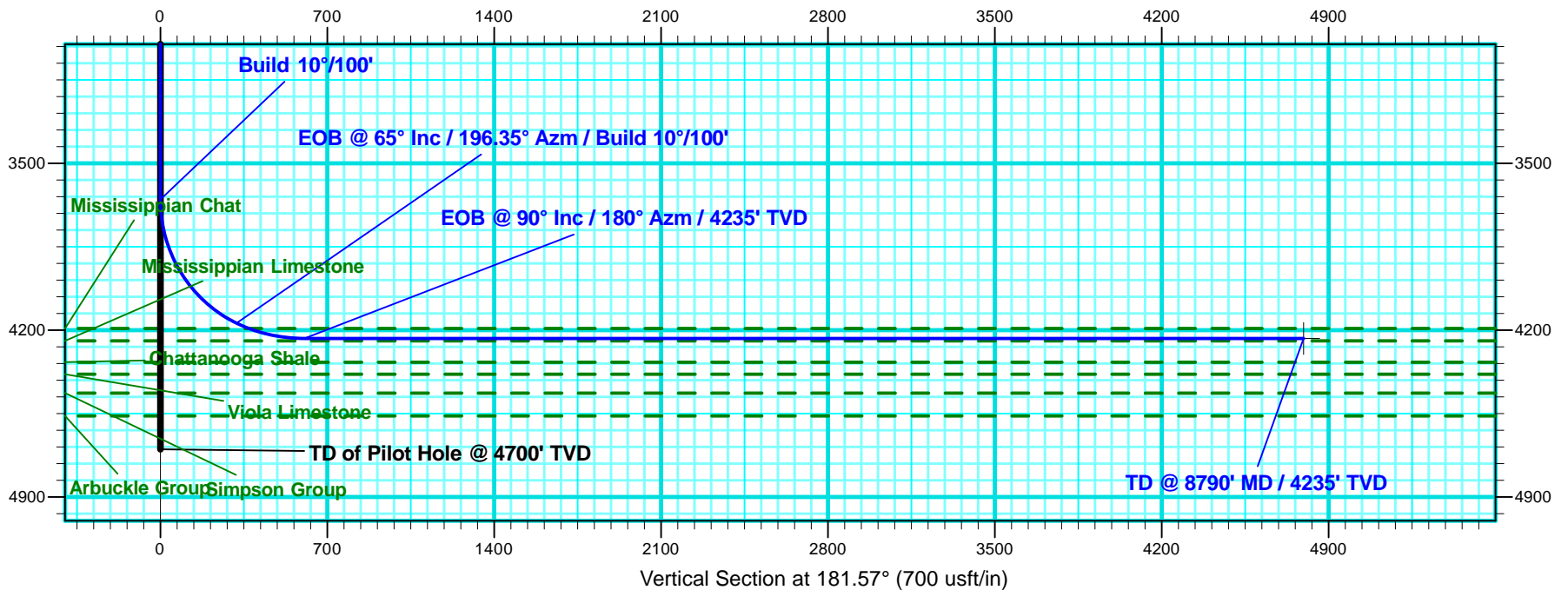


Pratt County, Kansas
Greengroup 11H-14
Design #2





Pratt County, Kansas
Greengroup 11H-14
Design #2

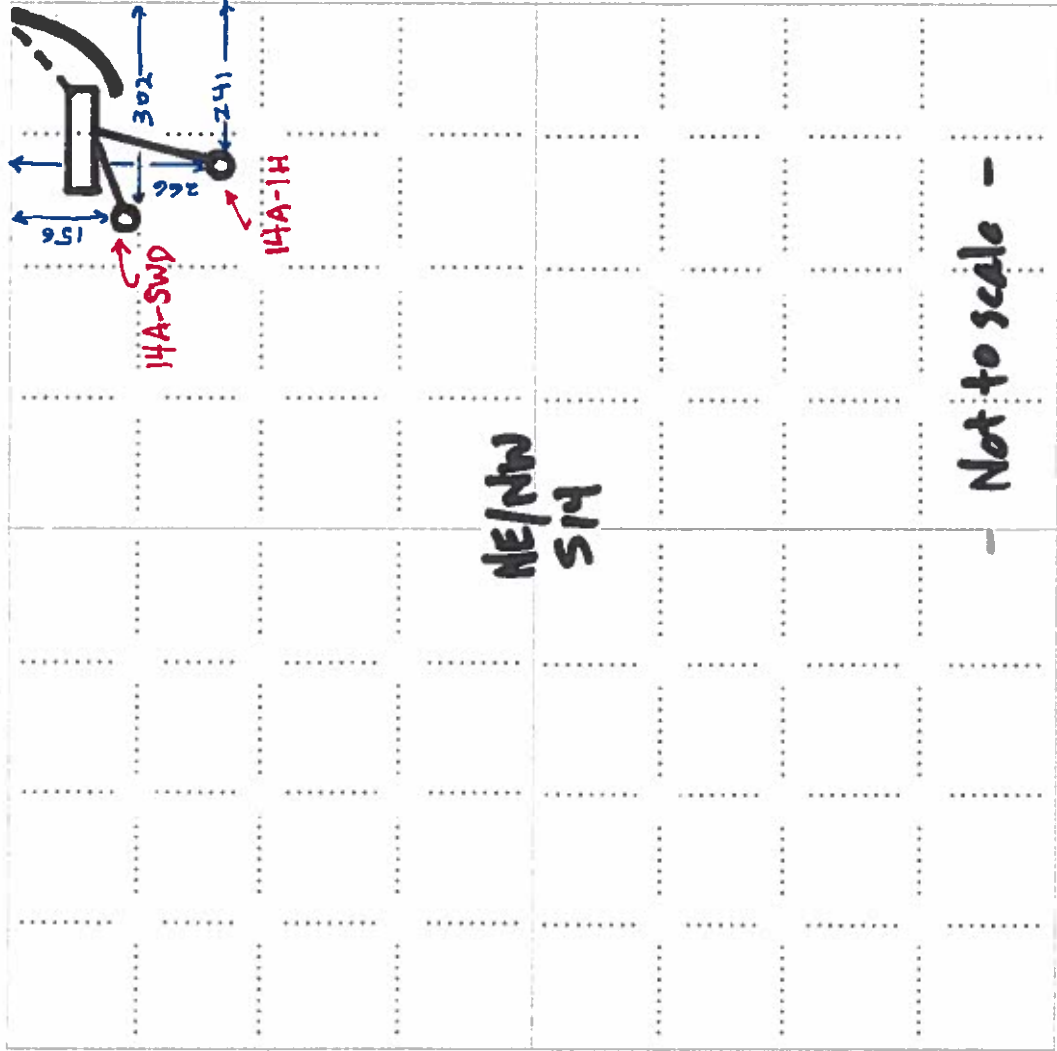


SENECA RESOURCES CORPORATION

SKETCH: Greengroup 14A-1H

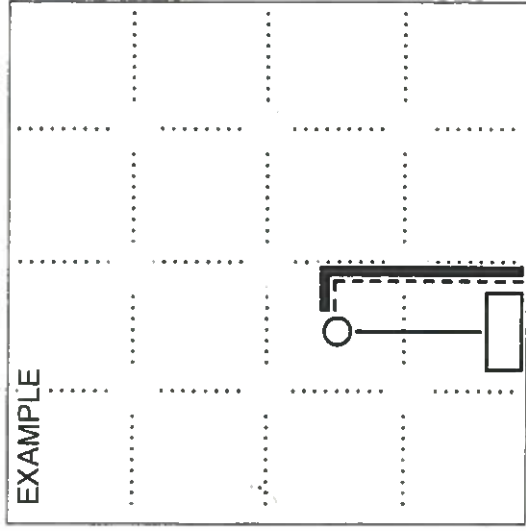
COUNTY: Pratt

Lease Name/Well#



LEGEND

- Well Location
- Tank Battery Location
- Pipeline Location
- - - - Electric Line Location
- ▬ Lease Road Location



NOTE: In all cases locate the spot of the proposed drilling location.

MEMORANDUM OF AMENDMENT AND EXTENSION OF OIL AND GAS LEASE
County, Kansas
Sherry L. Henrich

Book: 413 Page: 122
Receipt #: 18870 Total Fees: \$24.00
Pages Recorded: 5
Date Recorded: 10/18/2012 10:45:17 AM

STATE OF KANSAS

COUNTY OF PRATT



WHEREAS, by Oil and Gas Lease dated May 8, 2008, recorded in Book 346, Page 636 of the Deed Records, Pratt County, Kansas, Greengroup, LLC leased and let unto J. Fred Hambright, Inc. those certain lands situated in Pratt County, Kansas more particularly described therein and containing 160 acres, more or less ("Greengroup 160 acre Lease");

WHEREAS, by Oil and Gas Lease dated May 8, 2008, recorded in Book 346, Page 641 of the Deed Records, Pratt County, Kansas, Greengroup, LLC leased and let unto J. Fred Hambright, Inc. those certain lands situated in Pratt County, Kansas more particularly described therein and containing 2,415 acres, more or less ("Greengroup 2,415 acre Lease");

WHEREAS, by Oil and Gas Lease dated May 8, 2008, recorded in Book 346, Page 647 of the Deed Records, Pratt County, Kansas, Patrick N. Barker and Ann C. Barker, Co-Trustees of the Patrick N. Barker Revocable Trust, dated May 11, 2002 and Co-Trustees of the Ann C. Barker Revocable Trust, dated May 11, 2002 leased and let unto J. Fred Hambright, Inc. those certain lands situated in Pratt County, Kansas more particularly described therein and containing 160 acres, more or less ("Barker Trusts 160 acre Lease"), and Greengroup, LLC has succeeded to all of the rights and interests of the lessors under the Barker Trusts 160 acre Lease;

WHEREAS, by Oil and Gas Lease dated May 8, 2008, recorded in Book 346, Page 631 of the Deed Records, Pratt County, Kansas, Patrick N. Barker and Ann C. Barker leased and let unto J. Fred Hambright, Inc. those certain lands situated in Pratt County, Kansas more particularly described therein and containing 150 acres, more or less ("Barker 150 acre Lease"), and Greengroup, LLC has succeeded to all of the rights and interests of the lessors under the Barker 150 acre Lease;

WHEREAS, the Greengroup 160 acre Lease, the Greengroup 2,415 acre Lease, the Barker Trusts 160 acre Lease and the Barker 150 acre Lease are currently in force and effect and through a series of assignments Seneca Resources Corporation ("Lessee") is now the owner of an undivided leasehold interest in such leases and desires to combine, amend and extend such leases, as herein provided; and

WHEREAS, the Greengroup, LLC ("Lessor") has agreed to combine, amend and extend such leases as herein provided.

NOW THEREFORE, in consideration of terms, covenants, and conditions herein stated, Lessor and Lessee do hereby agree as follows:

1. This Memorandum of Amendment and Extension of Oil and Gas Lease ("Memorandum") is entered into to give notice to all persons that Lessor and Lessee have entered into that certain Amendment and Extension of Oil and Gas Lease ("Agreement") dated effective for all purposes as of October 1, 2012 ("Effective Date"), reference to which is hereby made for all purposes. Effective as of the Effective Date, the Greengroup 160 acre Lease, the Greengroup 2,415 acre Lease, the Barker Trusts 160 acre Lease and the Barker 150 acre Lease are and shall be combined into a single Oil and Gas

Lease covering the lands originally described therein, the form and content of which shall notwithstanding any differences that might exist between such leases be the Greengroup 2,415 acre Lease (which combined Oil and Gas Lease, as amended, is hereinafter referred to as the "Lease"). The lands covered by the Lease shall be those lands originally described in and covered by the four combined leases, such combined lands totaling 2,885 acres, more or less, and being more particularly described in Exhibit "A" attached hereto and made a part hereof. Lessor does hereby lease, let and grant to Lessee those lands described in Exhibit "A" attached hereto (being sometimes referred to herein as the "leased premises"), subject to and in accordance with the terms and provisions of the Lease. To the extent applicable or otherwise appropriate, the use of the words "hereof" or "thereof" shall be intended as references to the Lease (as hereby amended).

2. The primary term of the Lease is hereby extended for three (3) additional years, such that the primary term will now expire on May 8, 2016 unless otherwise continued in force and effect in accordance with the terms and provisions of the Lease. The Lease also grants to the Lessee the right to extend the Lease for an additional two (2) years by paying additional consideration as provided for therein.

3. The Agreement shall supersede and replace in their entirety all typewritten paragraphs added to the Lease, as previously written, including any that may be contained in a Rider or Addendum attached thereto. In the event of a conflict between the terms and provisions of the Agreement and those of the Lease as previously written, Lessor and Lessee agree that the terms and provisions of the Agreement shall control and prevail, but only to the extent of such conflict.

4. The Agreement provides additional terms, provisions and conditions which Lessor and Lessee have agreed to. The Agreement provides that in lieu of filing the Lease for record, a Memorandum of the Lease making appropriate reference thereto may be filed for record in the county in which the leased premises is located.


5. Except as set out in this Memorandum, Lessor and Lessee have agreed that all of the terms and conditions of the Agreement are confidential in nature and are not to be divulged by Lessor to any third party without the prior written consent of Lessee. Lessee agrees not to disclose the terms of the Agreement except to those of its officers, directors, employees, representatives, contractors, financial advisors and attorneys who need to

know such information, or to any third party with whom Lessee enters into bona fide discussions regarding a possible sale, exchange, farmout or other transfer of an interest in and to the Lease.

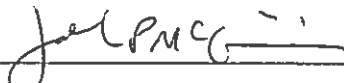
6. Whenever necessary in the Lease and the context requires, the singular term and the related pronoun shall include the plural, the masculine and the feminine. Whenever the term "Lessor" or the term "Lessee" is used in the Lease, such terms refer to the successors and assigns of said parties as well.

IN WITNESS WHEREOF, this Memorandum is entered into on the dates set out below in the respective acknowledgments, but shall be effective as of the Effective Date. This Memorandum may be executed in multiple counterparts, each of which shall constitute an original hereof, but all of which shall constitute one and the same Memorandum.

GREENGROUP, LLC

By: 
Name: Tim Barker
Title: Administrative member

SENECA RESOURCES CORPORATION

By: 
Name: John P. McGinnis
Title: Senior Vice President

APPROPRIATE ACKNOWLEDGMENTS AND AN EXHIBIT "A" TO BE ATTACHED

STATE OF Kansas)
COUNTY OF Pratt) ss:

BEFORE ME, the undersigned authority, came and appeared Tim Barker
as Administrative Member of GREENGROUP, LLC, known to me to be the person whose
name is subscribed to the foregoing instrument, and acknowledged to me that he executed the
same for the purpose and consideration therein expressed, in the capacity therein stated, and as
the free act and deed of said corporation.

MY COMMISSION EXPIRES:
11-12-14

Parola Tu
Notary Public, State of Kansas



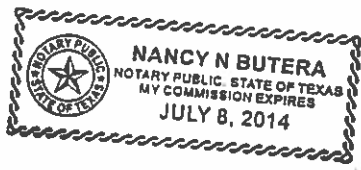
[Seal]

STATE OF TEXAS)
COUNTY OF HARRIS) ss:

BEFORE ME, the undersigned authority, came and appeared John P. McGinnis, as
Senior Vice President of SENECA RESOURCES CORPORATION, a Pennsylvania corporation,
known to me to be the person whose name is subscribed to the foregoing instrument, and
acknowledged to me that he executed the same for the purpose and consideration therein
expressed, in the capacity therein stated, and as the free act and deed of said corporation.

MY COMMISSION EXPIRES:
July 8, 2014

Nancy N. Butera
Notary Public, State of Texas



[Seal]

Exhibit A

Attached to and made a part of that certain Memorandum of Amendment and Extension of Oil and Gas Lease by and between Greengroup, LLC, et al, as Lessor, and Seneca Resources Corporation as Lessee, dated effective October 1, 2012.

Township 27 South, Range 12 West, Pratt County, Kansas

Section 13: SW/4

Section 14: NW/4

Section 14 SW/4

Section 14 SE/4

Section 15: E/2 SE/4

Section 21: SW/4 less and except the N/10 acres thereof

Section 22: East/2

Section 22: E/2 SW/4

Section 22: the East 165' of the W/2 SW/4

Section 22: The North 82.5' of the NW/4

Section 23: NE/4

Section 24: NE/4

Section 24: NW/4

Section 24: SW/4

Section 24: SE/4

Section 25: NE/4

Section 27: NE/4

Section 27: NW/4

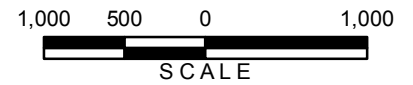
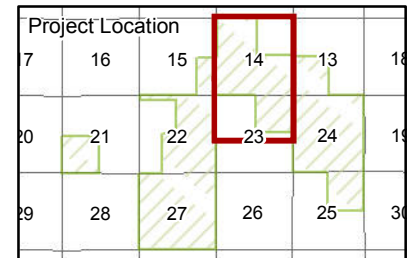
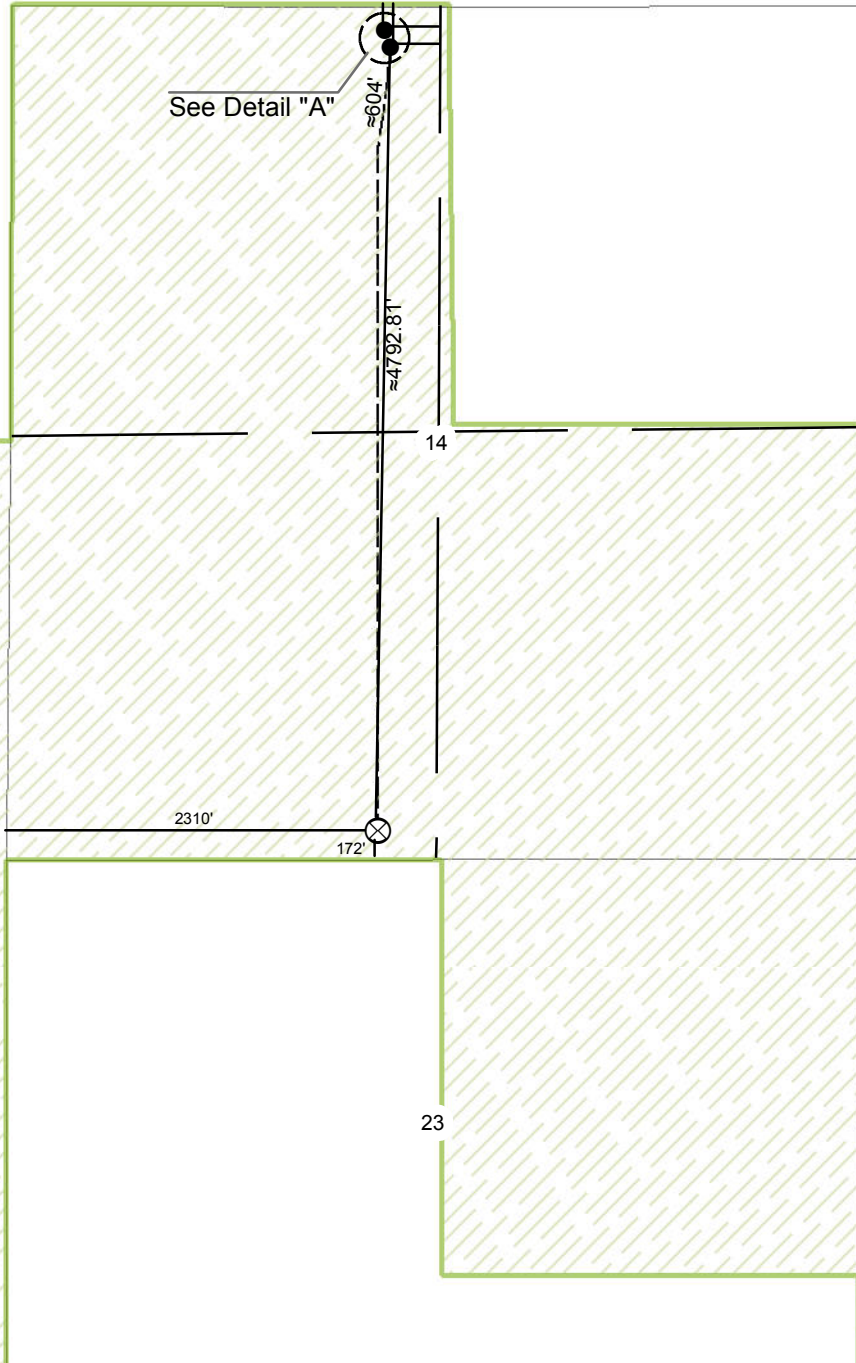
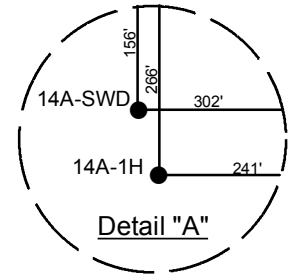
Section 27: SW/4

Section 27 SE/4

Consisting of 2,880 acres, more or less

T27S, R12W, 6th P.M.

Well location, 14A-1H, located as shown in the NE 1/4 NW 1/4 of Section 14 T27S, R7W, 6th P.M., Pratt County, Kansas



LEGEND

- Proposed Well Head
- ⊗ Target Bottom Hole
- Greengroup Lease Area

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PROJECT NO.	135592
DRAWN:	9/10/2013
DRAWN BY:	B. Carlin
CHECKED BY:	R. Zora
FILE NAME:	Greengroup14A.mxd

**Seneca Resources
Greengroup 14A-1H**

Pratt County, Kansas

FIGURE

September 10, 2013

Josh McLaughlin
Seneca Resources Corporation
5800 Corporate Drive
Suite 300
Pittsburgh, PA 15237

Re: Drilling Pit Application
Greengroup 14A-1H
NW/4 Sec.14-27S-12W
Pratt County, Kansas

Dear Josh McLaughlin:

District staff has inspected the above referenced location and has determined that an unsealed condition will present a pollution threat to water resources.

District staff has recommended that the reserve pit be lined with bentonite or native clay, constructed **without slots**, the bottom shall be flat and reasonably level and the free fluids must be removed. The fluids are to be removed from the reserve pit as soon as the Hutchinson Salt section has been drilled through and displacement of the fluids into the reserve pit has occurred. The fluids should be removed again within 96 hours after drilling operations have ceased.

If production casing is set all completion fluids shall be removed from the working pits daily. NO completion fluids or non-exempt wastes shall be placed in the reserve pit.

The fluids should be taken to an authorized disposal well. Please call the District Office at (620) 225-8888 when the fluids have been removed. Please file form CDP-5 (August 2008), Exploration and Production Waste Transfer, through KOLAR within 30 days of fluid removal.

A copy of this letter should be posted in the doghouse along with the approved Intent to Drill. If you have any questions or concerns please feel free to contact the District Office at (620) 225-8888.